

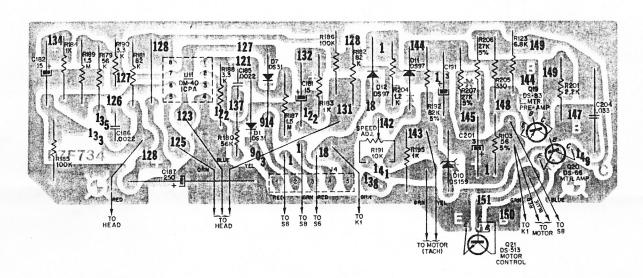
Supplement No. 9 Bulletin 6D-1976-1

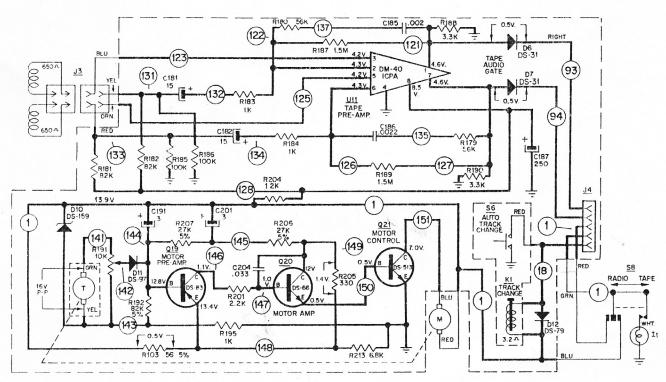
> 60HFMT3 9347740-1

Date June 1976 Page F-13

SUBJECT: LATE CHANGES TO "CORPORATE" AM/FM/TAPE

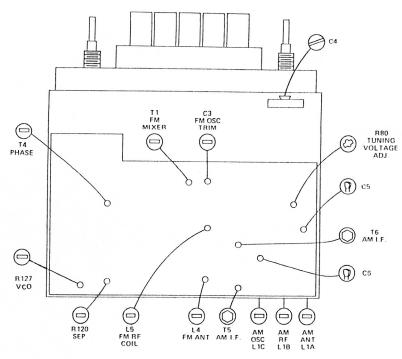
In addition to a return to inductive tuning in the FM oscillator, this supplement covers several minor changes and includes all current service information on the FM R/T used in H-body cars.





MOTOR SPEED & PRE-AMP

ALIGNMENT 60HFMT3



TURN VOLUME CONTROL UP. CONNECT AC VOLTMETER ACROSS SPEAKER LEADS. KEEP GENERATOR SIGNAL LOW TO MINIMIZE AGC ACTION.

AM ALIGNMENT PROCEDURE

STEP	GEN. FREQ. (MODULATED)	GENERATOR COUPLING	TUNER SETTING	ADJUST FOR PEAK		
1	262 KHz	THRU .1 MFD TO ANT. SOCKET	HI-END STOP	T5, T6 ТОР & ВОТТОМ		
2	MEASURE DEPTH OF A.M. OSC. CORE: SHOULD BE 1 3/8" (3.5CM)					
3	1615 KHz	THRU 82 PF TO ANT. SOCKET	HI-END STOP	OSCILLATOR TRIMMER C6		
4	1400 KHz	THRU 82 PF TO ANT. SOCKET	1 1400 I ANTENNA & RETRIMMERS CA CE			
5	600 KHz	THRU 82 PF TO ANT, SOCKET	600	ANTENNA & RF CORES: L1A, L1B		

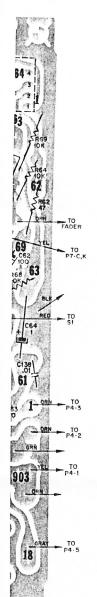
FM ALIGNMENT PROCEDURE

IMPORTANT: FIRST MAKE CERTAIN A. M. IS OPERATING PROPERLY; THE A. M. OSCILLATOR CONTROLS FM TUNING.

1			HI-END STOP	ADJUST TUNING VOLTAGE POT TO OBTAIN 7.3 VOLTS AT ICDA PIN 9. REPLACE BOTTOM COVER.
2	108 MHz	ANT. SOCKET	108	OSC. & RF TRIMMERS
3	88 MHz	ANT. SOCKET	88	OSC., RF & ANT. COILS. IF RF COIL DOES NOT PEAK, ADJ. RF TRIMMER UNTIL IT DOES. THEN RE-PEAK OSC. TRIMMER & COIL.
4	99 MHz	ANT, SOCKET	99 .	MIXER TRANSFORMER PHASE TRANSFORMER

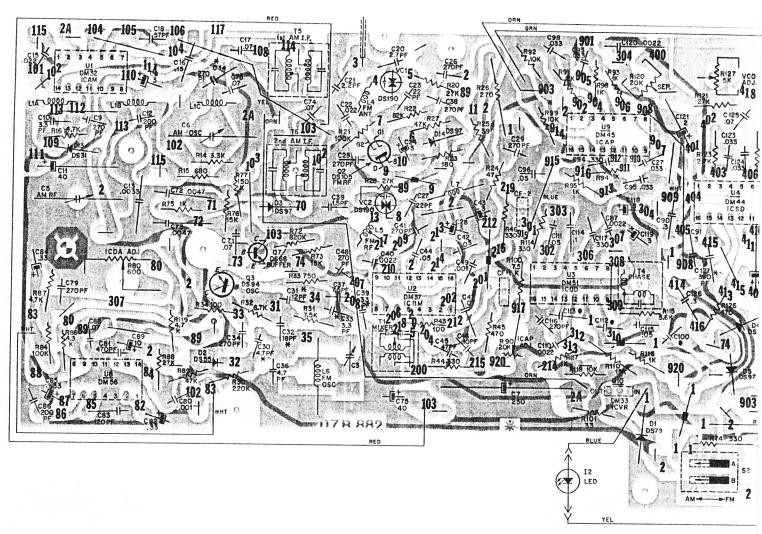
STEREO ALIGNMENT PROCEDURE

- WITH WEAK STEREO SIGNAL, ADJUST VCO POT FOR STEREO LIGHT.
- WITH STRONG STEREO SIGNAL, ADJUST VCO AND SEPARATION FOR MAXIMUM SEPARATION.



SERVICE AIDS

60HFMT3



MAIN BOARD (Copper View)

U1	
DM-32	
ICAM	

PIN VOLTAGE FM AM 1 4.3 4.4 2 6.8 7 3 6.9 7 4 4.3 4.4 5 0.25 0.19 6 .16 11.7 7 .68 .68 8 0 0 9 0 0 10 .75 .66 11 .75 .66 12 .75 .66 12 .75 .66 13 .39 4.5 14 7.0 7.0	FM AM 1 4.3 4.4
1 4.3 4.4 2 6.8 7 3 6.9 7 4 4.3 4.4 5 0.25 0.19 6 .16 11.7 7 .68 .68 8 0 0 9 0 0 10 .75 .66 11 .75 .66 12 .75 .66 13 .39 4.5	1 4.3 4.4
2 6.8 7 3 6.9 7 4 4.3 4.4 5 0.25 0.19 6 .16 11.7 7 .68 .68 8 0 0 9 0 0 10 .75 .66 11 .75 .66 12 .75 .66 13 .39 4.5	
1	4 4.3 4.4 5 0.25 0.19 6 .16 11.7 7 .68 .68 8 0 0 9 0 0 10 .75 .66 11 .75 .66 12 .75 .66 13 .39 4.5

U2 DM-37 ICBM

ICDIVI				
PIN	VOLTAGE			
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	1.9 1.9 0 1.1 12.3 12.3 3.3 1.7 1.7 0 7.7 7.6 *5.6 0 *2.7 7.7 4.5			

U3 DM-51 ICQD

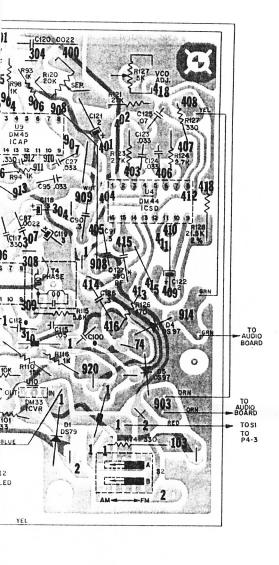
PIN	VOL	TAGE
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	1.9 1.9 0 0 5.6 3.8 5.3 5.3 5.3 13.8 3.5 0.2 4.6 0	*0 *2.8 *3.6
•		

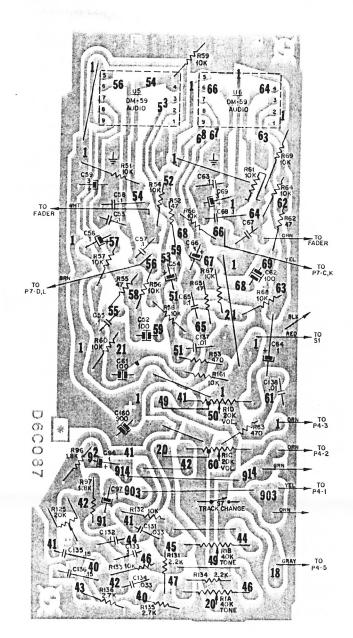
U4 DM-44 ICSD

PIN	VOLTAGE]
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	2.2 5.3 3.1 2.3 2.2 3.0 12.4 0.6 1.8 1.8 1.6 1.8 1.8 1.8 2.8 13.9	"12" ON

U5 & U6 DM-59 ICBA

PIN	VOLTAGE	
1	14	
2	7	
3	7	
4	7	
2 3 4 5 6 7 8 9	14	
6	7	
7	7	
8	7	
9	14	





AUDIO BOARD (Copper View)

U5 & U6 DM-59 ICBA

VOLTAGE
14
7
7
7
14
7
7
7
14

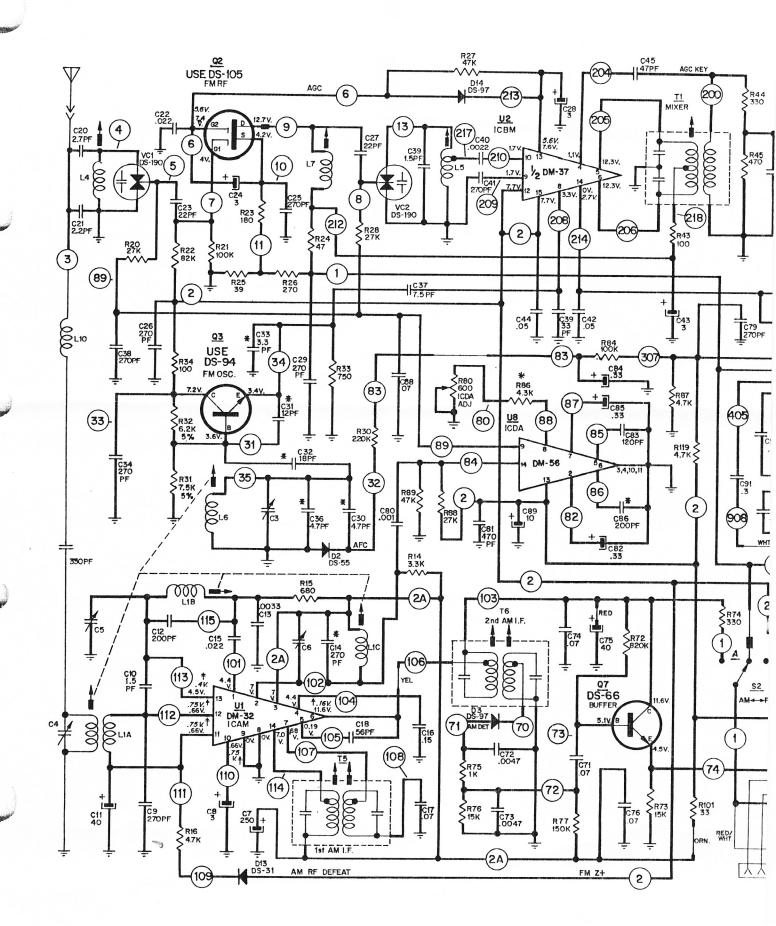
U8 DM-56 ICDA

PIN	VOLTAGE		
	108 MHz	88 MHz	
1 2 3 4 5 6 7 8 9 10 11 12 13	0 3.5 0 0 0.4 2.3 4.6 1.6 7.3 0 5.4 7.7	0 3.5 0 0 0.8 2.3 2.2 1.6 1.7 0 5.4 7.7 4.7	

U9 DM-45 ICAP

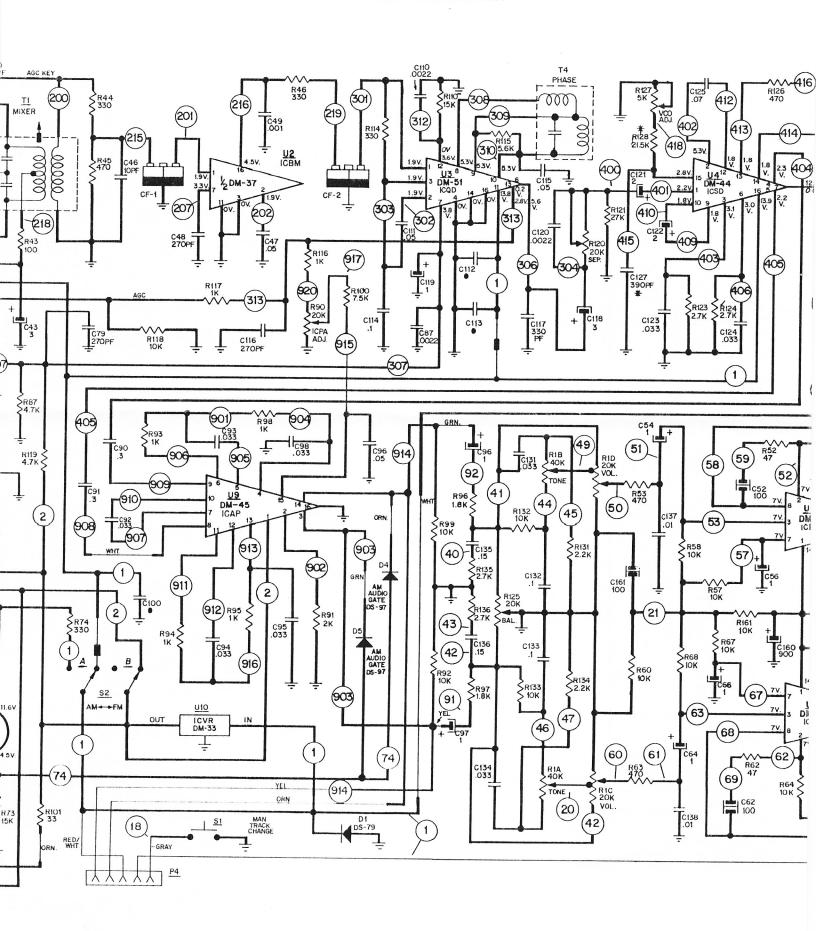
PIN	VOLTAGE
1	8.4
2	.8
3	4.4
4	2.8
5	2.2
1 2 3 4 5 6 7 8	2.8
7	3.5
8	4.2
9	4.2
10	3,5
11	2.8
12	2
13	2.8
14	4.2
15	.1 *2
16	0

ALL CAPACITORS ARE SHOWN IN MFD AND ARE 75 VOLTS OR HIGHER EXCEPT ELECTROLYTICS AND THOSE NOTED BY AN *



GROUND PROBE BEFORE MAKING
MEASUREMENTS ON IC. ALSO, DO
NOT SHORT IC PINS TOGETHER OR
TO GROUND OR IC MAY BE DESTROYED.

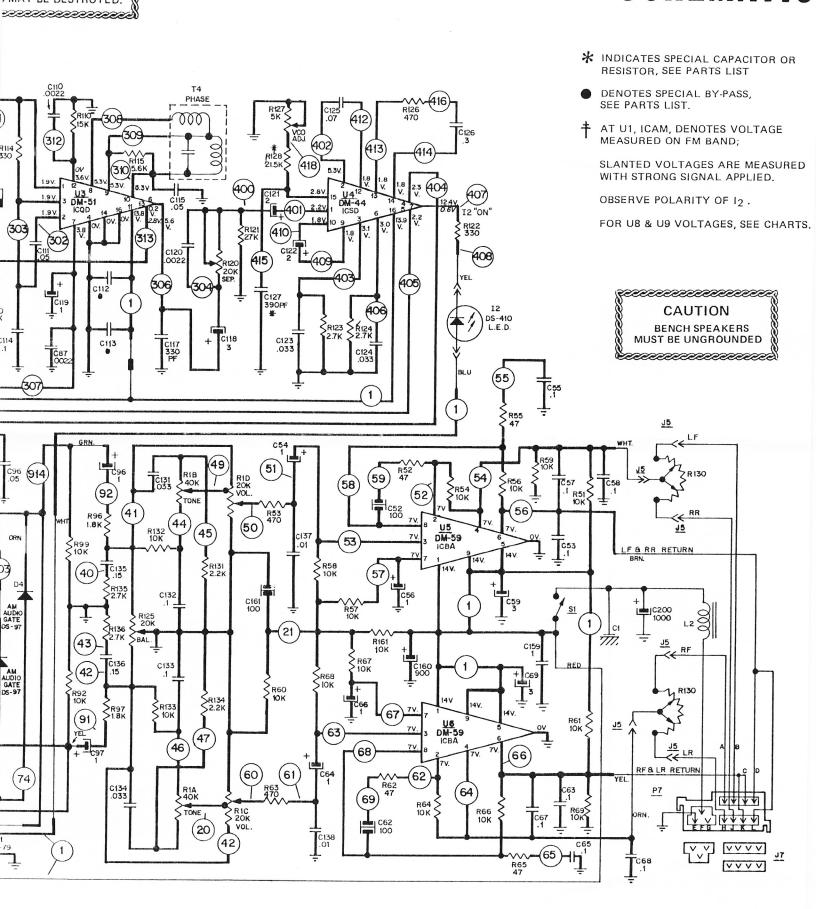
VEGA, ASTRE, M STARFIRE & S



THE PROPERTY OF THE PROPERTY O UTION **EFORE MAKING** ON IC. ALSO, DO IS TOGETHER OR MAY BE DESTROYED.

VEGA, ASTRE, MONZA, STARFIRE & SKYHAWK

60HFMT3 SCHEMATIC



PARTS LIST

ILLUS. SERVICE NO. NO.	DESCRIPTION	ILLUS. NO.	SERVICE NO.	DESCRIPTION	
			I DESCRIPTION I		
U6DM-59 MODULE, ICBA, BRIDGE AUDIO U8*DM-56 MODULE, ICDA, DIGITAL/ANALOG U9DM-45 MODULE, ICAP, AUDIO PROCESSOR U10DM-33 MODULE, ICVR, VOLTAGE REG. U11DM-40 MODULE, TAPE PRE-AMP			C1817936361 15 MFD., 6 VOLT TANTALUM C1827936361 15 MFD., 6 VOLT TANTALUM C1877936674 100 MFD., 16 VOLT ELECTROLYTIC C2009341267 1000 MFD., 16 VOLT ELECTROLYTIC		
	& TRANSFORMERS ————			ORS & CONTROLS NTROL; VOLUME, TONE & SWITCH	
CF-11223695 FM I.F., CERAMIC, (2/PKG.) CF-21223695 FM I.F., CERAMIC, (2/PKG.) L1*7898352 COIL, AM ANT., RF, OSC. L27302543 CHOKE, A+ LINE FILTER L49348413 COIL, FM ANTENNA L59348414 COIL, FM RF L6*7897878 COIL, FM OSCILLATOR L77934553 CHOKE, FM RF T19346544 TRANSFORMER, MIXER T49349015 AM 1ST I.F. T69349372 AM 2ND I.F.		R80 R86* R90 R120 R125 R127 R128 R130	9348417 CON 7897739 RES 9349022 CON 9349022 CON 9349022 CON 93490445 CON 9341039 RES 9348389 CON 9349371 CON	NTROL, ICDA CALIBRATION, 600 OHMS SISTOR, 4.3K, 2% NTROL, PROCESSOR ADJ., 20K NTROL, SEPARATJON, 20K NTROL, BALANCE, 200K NTROL, VCO ADJ., 5K SISTOR, 21.5K, 2% NTROL, FADER NTROL, MOTOR SPEED, 10K R & TAPE DECK RTS BREAKDOWN	
	CAPACITORS		JLL FA	III ONEARDONN	
C49349556	FRIMMER, FM OSCILLATOR FRIMMER, AM ANTENNA FRIMMER, AM RF FRIMMER, AM OSCILLATOR PRIMMER, AM OSCILLATOR PRIMMER, AM OSCILLATOR PRIMMER, AM OSCILLATOR PRIMER, AM OSCILLATOR PRIMER PRIME	J1	1223670 BRA 9340526 SOC 1223668 CON 1223684 CON B 7896393 CON LAN DS-410 STE 7898074 SOC	CKET & LEAD ASM., INCL. 11 CKET, STEREO IND.	

^{*} PARTS FIRST USED IN THIS MODEL